

User ID: XCMROBBINS

RAW DATA REPORT

Report Request ID: 1760292

Report Code: AMP350

Jul. 3, 2019

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	42	045	0003		2						

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
ALL			176

SELECTED OPTIONS

Option Type	Option Value
RAW DATA EVENTS	INCLUDE EVENTS
DAILY STATISTICS	MAXIMUM
AGENCY ROLE	PQAO
UNITS	STANDARD
INCLUDE NULLS	YES
MERGE PDF FILES	YES

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
5	POC

DATE CRITERIA

Start Date	End Date
2013 01 01	2015 12 31

APPLICABLE STANDARDS

Standard Description
CO 1-hour 1971
Lead 3-Month 2009
Lead 3-Month PM10 Surrogate 2009
Lead Quarterly 1978
NO2 Annual 1971
Ozone 1-hour 1979
PM10 24-hour 2006
PM25 24-hour 2012
SO2 1-hour 2010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(42153) Carbon disulfide

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-15-0
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.07 SQ	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.09 CC		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	.07	0.00	0.00	0.00	.09	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	.014	0.000	0.000	0.000	.015	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.003		ANNUAL MAX:		.09			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(42153) Carbon disulfide

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
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 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-15-0
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.03 SQ		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.03 SQ				
16		.00 DI				AS	.05 SQ					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.03 SQ				
22		AF				.00 ND	.05 SQ					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.03	0.00	0.03	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.015	0.000	0.006	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.004	ANNUAL MAX:	.05					

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 AIR QUALITY SYSTEM
 RAW DATA REPORT

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(42153) Carbon disulfide

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STATE: (42) Pennsylvania
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 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-15-0
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43205) Propylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 115-07-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									17.997 5	3.324		
2								.000 ND				
3		7.827				3.831	AF					
4	AS			2.760	1.833							
5			AS									
6											2.973	6.840
7									6.774 EH	.861 LL		
8								2.202				
9		1.725				3.852	7.668					
10	3.576			AF	AF							
11			.921									
12											AF	4.074
13									2.388	12.828 5		
14								1.401 CL				
15		12.075 5				2.499	AF					
16	4.110			2.850	AF							
17			1.827									
18											3.459	4.257
19									6.435	6.174		
20								4.110				
21		1.707				3.642	4.104					
22	2.085			AF	14.544 5							
23			1.392									
24											AS	2.169 CC
25									.876	2.367 CC		
26								3.978				
27		3.309				3.285	10.914 5					
28	6.288			AS	AF							
29			1.728									
30											2.853	3.476
31										4.635		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	6.288	12.075	1.827	2.850	14.544	3.852	10.914	4.110	17.997	12.828	3.459	6.840
MEAN:	4.0148	5.3286	1.4670	2.8050	8.1885	3.4218	7.5620	2.3382	6.8940	5.0315	3.0950	4.1632
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	4.4246	ANNUAL MAX:	17.997					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43205) Propylene

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 COUNTY: (045) Delaware
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 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
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 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 115-07-1
 LATITUDE: 39.8969
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 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									4.325	2.695		
3								AF				
4		6.225				2.022	2.353					
5	AF			1.116 CC	1.636							
6			2.360									
7											AS	1.994
8									1.958	2.528		
9								1.644				
10		10.678 5				5.324	3.629					
11	5.741			4.896	2.312							
12			5.532									
13											AS	2.660
14									AF	1.291 CC		
15								2.084				
16		1.552 DI				AS	3.263					
17	AF			1.733	2.053							
18			2.843									
19											1.835	AS
20									3.583	6.103		
21								3.826				
22		AF				5.396	9.368					
23	AF			1.668	1.721							
24			2.181 DI									
25											4.345	4.720
26									2.195	2.301		
27								40.533 5				
28		1.367				3.923	4.997					
29	59.957 5			2.694	4.251							
30			AF									
31												3.631
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	59.957	10.678	5.532	4.896	4.251	5.396	9.368	40.533	4.325	6.103	4.345	4.720
MEAN:	32.8490	4.9555	3.2290	2.4214	2.3946	4.1663	4.7220	12.0218	3.0153	2.9836	3.0900	3.2513
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	5.3550	ANNUAL MAX:	59.957					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43205) Propylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 115-07-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			7.385									
2											5.100	163.80 5
3									2.520	.990 CC		
4								2.580				
5		7.001				AS	3.450					
6	5.882			16.800 5	2.580							
7			5.936								2.730	6.300
8												
9									3.000	AS		
10								1.680				
11		AS				33.300 5	1.800					
12	49.708 5			3.900	AS							
13			3.367								1.440	8.700
14									2.400	3.600		
15								AS				
16												
17		4.364 QX				1.740	4.200					
18	AF			4.500	5.100							
19			2.867								2.520	4.500
20												
21									1.440	10.500 5		
22								1.830				
23		2.627				AF	2.220					
24	6.794			1.890	3.600							
25			4.800									
26											6.300	3.300
27									.840	2.610		
28								2.250				
29						18.660 5	6.300					
30	3.419			1.680	2.130							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	49.708	7.001	7.385	16.800	5.100	33.300	6.300	2.580	3.000	10.500	6.300	163.80
MEAN:	16.4508	4.6640	4.8710	5.7540	3.3525	17.9000	3.5940	2.0850	2.0400	4.4250	3.6180	37.3200
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	8.8256	ANNUAL MAX:	163.800					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43218) 1,3-Butadiene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-99-0
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.22 SQ
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.22
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.044
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.004		ANNUAL MAX:		.22			

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43218) 1,3-Butadiene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-99-0
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.30 SQ
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.30
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.075
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.006	ANNUAL MAX:	.30					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43218) 1,3-Butadiene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-99-0
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.31 SQ									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	.062	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.006	ANNUAL MAX:	.31					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43231) n-Hexane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 110-54-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.34 SQ	.79		
2								.65 SQ				
3		.64 SQ				.48 SQ	AF					
4	AS			.37 SQ	.42 SQ							
5			AS									
6											.61 SQ	.67 SQ
7								.57 SQ		.00 ND	.00 ND	
8												
9		.34 SQ				.53 SQ	1.04					
10	.62 SQ			AF	AF							
11			.15 SQ									
12											AF	.79
13									.35 SQ	1.22		
14								.35 CL				
15		1.33 5				.57 SQ	AF					
16	.89			.41 SQ	AF							
17			.00 ND									
18											.29 SQ	.75
19									.65 SQ	.97		
20								.62 SQ				
21		.43 SQ				.49 SQ	.80					
22	.43 SQ			AF	.83							
23			.56 SQ									
24											AS	.49 SQ
25									.65 SQ	.55 SQ		
26								.56 SQ				
27		.53 SQ				.55 SQ	.79					
28	.81			AS	AF							
29			.32 SQ									
30											.46 SQ	.59 SQ
31										1.17		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.89	1.33	.56	.41	.83	.57	1.04	.65	.65	1.22	.61	.79
MEAN:	.688	.654	.258	.390	.625	.524	.877	.550	.398	.783	.453	.658
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.580	ANNUAL MAX:	1.33					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43231) n-Hexane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 110-54-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.51 SQ	.53 SQ		
3								AF				
4		1.18				.48 SQ	.00 ND					
5	AF			.33 QX	.32 SQ							
6			.48 SQ									
7											AS	.26 SQ
8									.32 SQ	.27 SQ		
9								.46 SQ				
10		1.55 5				1.04	.43 SQ					
11	1.91 5			.89	.29 SQ							
12			1.36 5									
13											AS	.33 SQ
14									AF	.00 ND		
15								.53 SQ				
16		.44 DI				AS	.60 SQ					
17	AF			.55 SQ	.37 SQ							
18			.55 SQ									
19										.00 ND	AS	
20									.72	.88		
21								.41 SQ				
22		AF				.55 SQ	.78					
23	AF			.50 SQ	.43 SQ							
24			.00 DI									
25											.55 SQ	.42 SQ
26									.37 SQ	.32 SQ		
27								.54 SQ				
28		.00 ND				.52 SQ	.37 SQ					
29	1.21			.39 SQ	.51 SQ							
30			AF									
31												.48 SQ
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	1.91	1.55	1.36	.89	.51	1.04	.78	.54	.72	.88	.55	.48
MEAN:	1.560	.793	.598	.532	.384	.648	.436	.485	.480	.400	.275	.373
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.540	ANNUAL MAX:	1.91					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43231) n-Hexane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 110-54-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.48 SQ									
2											.84	.96
3									.53 SQ	.20 SQ		
4								.43 SQ				
5		.43 SQ				AS	.54 SQ					
6	.64 SQ			1.44 5	.66 SQ							
7			.85									
8											.35 SQ	.60 SQ
9									.78	AS		
10								.50 SQ				
11		AS				.72	.28 SQ					
12	.89			.00 ND	AS							
13			.54 SQ								.22 SQ	1.20
14									.40 SQ	.57 SQ		
15								AS				
16												
17		.76 QX				.28 SQ	.53 SQ					
18	AF			.41 SQ	.96							
19			.47 SQ								.43 SQ	.42 SQ
20												
21									.41 SQ	1.08		
22								.28 SQ				
23		.44 SQ				AF	.90					
24	.78			.31 SQ	.41 SQ							
25			.60 SQ									
26											.90	.38 SQ
27									.32 SQ	2.76 5		
28								.42 SQ				
29						.65 SQ	.90					
30	.42 SQ			.39 SQ	.23 SQ							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.89	.76	.85	1.44	.96	.72	.90	.50	.78	2.76	.90	1.20
MEAN:	.683	.543	.588	.510	.565	.550	.630	.408	.488	1.153	.548	.712
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.613		ANNUAL MAX:	2.76				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43232) n-Heptane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 142-82-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.49 SQ		
2								.00 ND				
3		.29 SQ				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											1.51 5	.27 SQ
7								.34 SQ	.00 ND			
8								.44 SQ				
9		.00 ND				.00 ND	.29 SQ					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.36 SQ
13									.33 SQ	.83 CC		
14								.00 CL				
15		.55 SQ				.00 ND	AF					
16	.47 SQ			.00 ND	AF							
17			.00 ND									
18											.00 ND	.32 SQ
19								.00 ND	.71 SQ			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.34 SQ							
23			.00 ND									
24										AS		.00 ND
25								.59 SQ	.29 SQ			
26								.00 ND				
27		.00 ND				.44 SQ	.00 ND					
28	.36 SQ			AS	AF							
29			.00 ND									
30										.00 ND		.27 SQ
31										.76 SQ		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.47	.55	0.00	0.00	.34	.44	.29	.44	.59	.83	1.51	.36
MEAN:	.208	.168	0.000	0.000	.170	.088	.097	.088	.252	.513	.503	.244
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.209	ANNUAL MAX:		1.51				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43232) n-Heptane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 142-82-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.23 SQ	.36 SQ		
3								AF				
4		.55 SQ			.00 ND	.00 ND						
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.17 SQ
8									.22 SQ	.00 ND		
9								.00 ND				
10		.76 SQ				.57 SQ	.00 ND					
11	.81 SQ			.48 SQ	.00 ND							
12			.66 SQ									
13											AS	.17 SQ
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.73 SQ	.00 ND							
18			.00 ND									
19											.16 SQ	AS
20									.50 SQ	.52 SQ		
21								.29 SQ				
22		AF				.00 ND	.50 SQ					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.31 SQ	.23 SQ
26									.26 SQ	.18 SQ		
27								.46 SQ				
28		.00 ND				.00 ND	.00 ND					
29	.44 SQ			.00 ND	.00 ND							
30			AF									
31												.27 SQ
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.81	.76	.66	.73	0.00	.57	.50	.46	.50	.52	.31	.27
MEAN:	.625	.328	.165	.242	0.000	.143	.100	.188	.303	.212	.235	.210
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.205	ANNUAL MAX:	.81					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43232) n-Heptane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 142-82-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.37 SQ									
2											.58 CC	.51 SQ
3									.25 SQ	.00 ND		
4								.21 SQ				
5		.22 SQ				AS	.37 SQ					
6	.37 SQ			.84 QX	.63 SQ							
7			.28 SQ									
8											.00 ND	.43 SQ
9									.28 SQ	AS		
10								.49 SQ				
11		AS				.33 SQ	.00 ND					
12	.62 SQ			.50 SQ	AS							
13			1.64 5								.00 ND	.66 SQ
14									.36 SQ	.34 SQ		
15								AS				
16												
17		.43 QX				.28 SQ	.24 SQ					
18	AF			.32 SQ	.84							
19			.43 SQ								.20 SQ	.21 SQ
20												
21									.32 SQ	.62 CC		
22								.00 ND				
23		.40 SQ				AF	.27 SQ					
24	.44 SQ			.00 ND	.29 SQ							
25			1.05 5									
26											.46 SQ	.26 SQ
27									.20 SQ	1.40 5		
28								.24 SQ				
29						.25 SQ	.38 SQ					
30	.00 ND			.45 SQ	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.62	.43	1.64	.84	.84	.33	.38	.49	.36	1.40	.58	.66
MEAN:	.358	.350	.754	.422	.440	.287	.252	.235	.282	.590	.248	.414
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.390	ANNUAL MAX:	1.64					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43248) Cyclohexane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 110-82-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.37 SQ
13									.00 ND	.49 CC		
14								.00 CL				
15		.56 SQ				1.25 5	AF					
16	.67 SQ			.60 SQ	AF							
17			.00 ND									
18											.00 ND	.31 SQ
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				1.00	.00 ND					
22	.00 ND			AF	1.32 5							
23			.00 ND									
24										AS		.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.46 SQ			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.59 SQ		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.67	.56	0.00	.60	1.32	1.25	0.00	0.00	0.00	.59	0.00	.37
MEAN:	.283	.112	0.000	.300	.660	.450	0.000	0.000	0.000	.180	0.000	.136
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.156	ANNUAL MAX:	1.32						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43248) Cyclohexane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 110-82-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.32 SQ	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.58 SQ				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.16 SQ					
17	AF			.37 SQ	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.24 SQ	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.30 SQ					
29	.37 SQ			.16 SQ	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.37	.58	0.00	.37	0.00	.32	.30	0.00	0.00	0.00	0.00	0.00
MEAN:	.185	.145	0.000	.154	0.000	.080	.092	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.052	ANNUAL MAX:	.58					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43248) Cyclohexane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 110-82-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			1.98 5	.00 ND							
7			.20 SQ									
8											.00 ND	.14 SQ
9									.00 ND	AS		
10								.00 ND				
11		AS				.38 SQ	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.41 CC		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.52 SQ							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	.20	1.98	.52	.38	0.00	0.00	0.00	.41	0.00	.14
MEAN:	0.000	0.000	.040	.396	.130	.127	0.000	0.000	0.000	.103	0.000	.028
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.070	ANNUAL MAX:	1.98					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43372) Methyl tert-butyl ether

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 1634-04-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43372) Methyl tert-butyl ether

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 1634-04-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43372) Methyl tert-butyl ether

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 1634-04-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43505) Acrolein - Unverified

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 107-02-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									1.53 CC	1.49 CC		
2								.89 CC				
3		.64				2.62	AF					
4	AS			.62	1.61 CC							
5			AS									
6											.50 CC	2.03 CC
7								.75 CC	1.47 CC			
8								.59 CC				
9		.95				3.12 5	.87 CC					
10	1.69			AF	AF							
11			.86									
12											AF	.54 CC
13								2.02 CC	2.17 CC			
14								.47 CC				
15		.71				.97	AF					
16	.98			1.67	AF							
17			.92 CC									
18											.38 CC	1.49 CC
19								.41 CC	1.59			
20								3.19 5				
21		.90				2.50	1.47 CC					
22	.49			AF	1.08							
23			.56									
24											AS	.39 CC
25								1.32 CC	2.36			
26								2.71 CC				
27		1.48				.89 CC	2.81					
28	1.64			AS	AF							
29			1.79									
30											.50 CC	1.72 CC
31										.74 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	1.69	1.48	1.79	1.67	1.61	3.12	2.81	3.19	2.02	2.36	.50	2.03
MEAN:	1.200	.936	1.033	1.145	1.345	2.020	1.717	1.570	1.206	1.637	.460	1.234
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	1.328	ANNUAL MAX:	3.19					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43505) Acrolein - Unverified

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 107-02-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.73	1.35		
3								AF				
4		1.33				.73 CC	2.21					
5	AF			1.09 CC	2.03							
6			.74 CC									
7											AS	.34 CC
8									1.20 CC	.47 CC		
9								.17 CC				
10		.58 CC				.92	1.13 CC					
11	.70 CC			2.29	2.04							
12			.57 CC									
13											AS	.71 CC
14									AF	1.29 CC		
15								2.01 CC				
16		1.52 DI				AS	1.14 CC					
17	AF			.50 CC	3.91 5							
18			1.29									
19											.28 CC	AS
20									2.05	1.34		
21								.64 CC				
22		AF				2.67	3.14 5					
23	AF			1.15 CC	1.47							
24			.75 CC									
25											.73 CC	1.65
26									.59 CC	.83 CC		
27								.66 CC				
28		.33 CC				.58 CC	1.26 CC					
29	.93			.53 CC	2.49							
30			AF									
31												1.59
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.93	1.52	1.29	2.29	3.91	2.67	3.14	2.01	2.05	1.35	.73	1.65
MEAN:	.815	.940	.838	1.112	2.388	1.225	1.776	.870	1.143	1.056	.505	1.073
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	1.222	ANNUAL MAX:	3.91					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43505) Acrolein - Unverified

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 107-02-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.46 CC									
2											.57 CC	.51 CC
3									.60 CC	.42 CC		
4								.72 CC				
5		.24 CC				AS	1.33					
6	.49 CC			2.79 QX	1.83							
7			.71 CC								1.38	1.44
8												
9									2.10	AS		
10								.60 CC				
11		AS				1.14	.60 CC					
12	.53 CC			1.02	AS							
13			.36 CC								.54 CC	1.71
14									.42 CC	.39 CC		
15								AS				
16												
17		.80 QX				.60 CC	.84					
18	AF			1.71	.72 CC							
19			.23 CC								1.53	1.92
20												
21									.42 CC	.60 CC		
22								.81 CC				
23		1.15 CC				AF	1.44					
24	.58 CC			1.44	.66 CC							
25			.39 CC									
26											.45 CC	.48 CC
27									.54 CC	1.32		
28								.63				
29						1.79	1.17					
30	.56 CC			.57 CC	.81 CC							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.58	1.15	.71	2.79	1.83	1.79	1.44	.81	2.10	1.32	1.53	1.92
MEAN:	.540	.730	.430	1.506	1.005	1.177	1.076	.690	.816	.683	.894	1.212
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.905	ANNUAL MAX:	2.79					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43551) Acetone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 67-64-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									23.424 CC	154.53 5		
2								19.908 CC				
3		9.261				33.882 EH	AF					
4	AS			8.178	13.584 CC							
5			AS									
6											47.052 5	24.171
7									13.269 CC	54.774 5		
8								11.880 CC				
9		12.366				38.190 EH	24.729 CC					
10	16.278			AF	AF							
11			7.695									
12											AF	14.988
13									37.671 EH	157.08 5		
14								8.484 CC				
15		8.925				16.044	AF					
16	9.984 CC			27.330	AF							
17			10.347 CC									
18											10.407	14.889 CC
19									18.036	78.912 5		
20								32.199 EH				
21		9.969				28.512	29.025 CC					
22	7.713			AF	16.953 CC							
23			7.725									
24											AS	9.277 CC
25									426.45 5	30.858 EH		
26								28.536 CC				
27		24.009				19.899 CC	28.236 CC					
28	13.422			AS	AF							
29			13.212									
30											6.420	17.111 CC
31										49.245 5		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	16.278	24.009	13.212	27.330	16.953	38.190	29.025	32.199	426.45	157.08	47.052	24.171
MEAN:	11.8493	12.9060	9.7448	17.7540	15.2685	27.3054	27.3300	20.2014	103.771	87.5680	21.2930	16.0872
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	35.2052	ANNUAL MAX:	426.459					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43551) Acetone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 67-64-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									15.165	19.223		
3								AF				
4		17.735				19.433	18.800					
5	AF			7.763 CC	27.431							
6			11.235									
7											AS	8.078 CC
8									22.826	12.030		
9								4.834 CC				
10		9.687				26.935	24.904 CC					
11	12.432 CC			24.135	24.020							
12			15.631									
13											AS	11.613 CC
14									AF	13.235 CC		
15								21.042				
16		20.612 DI				AS	25.193 CC					
17	AF			9.221 CC	31.611 EH							
18			11.427									
19											6.407 CC	AS
20									17.680	25.488		
21								15.081 CC				
22		AF				29.041	59.729 5					
23	AF			13.451	20.371							
24			9.302 CC									
25											16.604 CC	16.320
26									12.209	14.645 CC		
27								14.658 CC				
28		7.457 CC				17.177	25.705 CC					
29	10.309			11.945	32.258 EH							
30			AF									
31												13.943 CC
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	12.432	20.612	15.631	24.135	32.258	29.041	59.729	21.042	22.826	25.488	16.604	16.320
MEAN:	11.3705	13.8728	11.8988	13.3030	27.1382	23.1465	30.8662	13.9038	16.9700	16.9242	11.5055	12.4885
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		17.8340	ANNUAL MAX:		59.729				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43551) Acetone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 67-64-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			7.508 CC									
2											12.600 CC	9.000 CC
3									20.700	7.500 CC		
4								17.400				
5		5.511 CC				AS	21.480					
6	5.934 CC			61.200 5	16.500							
7			17.150									
8											11.700 CC	12.000 CC
9									24.600 EH	AS		
10								11.700 CC				
11		AS				26.400	15.000					
12	7.670 CC			15.600	AS							
13			6.763 CC									
14											7.800 CC	19.200
15									10.800 CC	103.20 5		
16								AS				
17		11.217 CC				14.700 CC	15.600					
18	AF			11.400 CC	14.400 CC							
19			6.984 CC									
20											16.800	14.700 CC
21									9.900 CC	27.900		
22								15.600				
23		15.528 CC				AF	20.700					
24	8.651 CC			19.200	13.800 CC							
25			8.100 CC									
26											8.700 CC	7.800 CC
27									9.000 CC	17.700		
28								12.000				
29						18.840	26.400					
30	8.805 CC			6.300 CC	10.200 CC							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	8.805	15.528	17.150	61.200	16.500	26.400	26.400	17.400	24.600	103.20	16.800	19.200
MEAN:	7.7650	10.7520	9.3010	22.7400	13.7250	19.9800	19.8360	14.1750	15.0000	39.0750	11.5200	12.5400
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	16.2662		ANNUAL MAX:	103.200				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43552) Methyl ethyl ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 78-93-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									4.220 CC	.000 ND		
2								3.184 CC				
3		1.040				3.940	AF					
4	AS			.816	1.436 CC							
5			AS									
6											1.924	2.552 CC
7									1.156 CC	.000 ND		
8								2.392 CC				
9		1.096				7.628 5	3.816 CC					
10	1.468			AF	AF							
11			.796									
12											AF	1.548 CC
13									5.004	6.636 5		
14								.000 CL				
15		1.312				3.148	AF					
16	1.048			4.100	AF							
17			1.132 CC									
18											1.392 CC	1.784 CC
19									3.272	2.720		
20								5.948 CC				
21		1.140				4.780	3.876 CC					
22	.932			AF	2.196 CC							
23			.712									
24											AS	1.222 CC
25									3.312 CC	3.720 CC		
26								4.788 CC				
27		3.192				3.280 CC	3.792 CC					
28	1.552			AS	AF							
29			1.444									
30											1.100 CC	2.070 CC
31										3.540 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	1.552	3.192	1.444	4.100	2.196	7.628	3.876	5.948	5.004	6.636	1.924	2.552
MEAN:	1.2500	1.5560	1.0210	2.4580	1.8160	4.5552	3.8280	3.2624	3.3928	2.7693	1.4720	1.8352
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	2.5134	ANNUAL MAX:	7.628					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43552) Methyl ethyl ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 78-93-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									3.378	3.674		
3								AF				
4		2.824				2.933	3.132					
5	AF			1.274 CC	3.233							
6			1.874									
7											AS	1.064 CC
8									4.433	2.150		
9								.785 CC				
10		2.125				4.392	4.622					
11	1.642 CC			3.789	3.110							
12			3.531									
13											AS	1.648 CC
14									AF	2.610 CC		
15								3.331 CC				
16		3.827 DI				AS	3.718					
17	AF			1.446 CC	3.560							
18			1.874									
19										.988 CC	AS	
20									3.479	4.746		
21								4.026 CC				
22		AF				5.222	8.303 5					
23	AF			1.883	2.874							
24			1.194 CC									
25											2.093 CC	2.062
26									2.297	2.482 CC		
27								3.170 CC				
28		1.261 CC				2.954	3.646 CC					
29	1.251			1.247	3.806							
30			AF									
31												1.362 CC
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	1.642	3.827	3.531	3.789	3.806	5.222	8.303	4.026	4.433	4.746	2.093	2.062
MEAN:	1.4465	2.5093	2.1183	1.9278	3.3166	3.8753	4.6842	2.8280	3.3968	3.1324	1.5405	1.5340
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	2.8401	ANNUAL MAX:	8.303					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43552) Methyl ethyl ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 78-93-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			1.554 CC									
2												
3									3.640	.960 CC	2.480	1.440 CC
4								3.440				
5		1.041 CC				AS	4.000					
6	1.362 CC			8.400 5	3.880							
7			2.592									
8											1.880 CC	1.920 CC
9									3.160	AS		
10								2.360 CC				
11		AS				4.000	2.800					
12	1.591 CC			1.600	AS							
13			3.822 CC									
14											1.000 CC	2.960
15									1.840 CC	2.000		
16								AS				
17		1.971 QX				2.520	3.400					
18	AF			2.720 CC	2.600							
19			1.616 CC									
20											2.120	2.480
21												
22								2.800				
23		2.971 CC				AF	3.440		1.480 CC	2.760		
24	1.751 CC			5.200	2.680							
25			2.120 CC									
26											1.480 CC	1.280 CC
27									1.240 CC	2.280		
28								1.360				
29						2.720	5.200					
30	1.538 CC			1.440 CC	1.960 CC							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	1.751	2.971	3.822	8.400	3.880	4.000	5.200	3.440	3.640	2.760	2.480	2.960
MEAN:	1.5605	1.9943	2.3408	3.8720	2.7800	3.0800	3.7680	2.4900	2.2720	2.0000	1.7920	2.0160
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	2.5163	ANNUAL MAX:	8.400					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43559) Methyl Butyl Ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 591-78-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.288 SQ	.000 ND		
2								.000 ND				
3		.000 ND				.354 SQ	AF					
4	AS			.000 ND	.000 ND							
5			AS									
6											.000 ND	.000 ND
7									.000 ND	.000 ND		
8								.000 ND				
9		.000 ND				.000 ND	.000 ND					
10	.000 ND			AF	AF							
11			.000 ND									
12											AF	.000 ND
13									.000 ND	.000 ND		
14								.000 CL				
15		.000 ND				.000 ND	AF					
16	.000 ND			.294 SQ	AF							
17			.000 ND									
18											.000 ND	.000 ND
19									.000 ND	.000 ND		
20								.000 ND				
21		.000 ND				.000 ND	.000 ND					
22	.000 ND			AF	.000 ND							
23			.000 ND									
24											AS	.000 ND
25									.300 SQ	.372 SQ		
26								.414 SQ				
27		.000 ND				.000 ND	.000 ND					
28	.000 ND			AS	AF							
29			.000 ND									
30											.000 ND	.000 ND
31										.000 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.000	0.000	0.000	.294	0.000	.354	0.000	.414	.300	.372	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	.1470	0.0000	.0708	0.0000	.0828	.1176	.0620	0.0000	0.0000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.0413		ANNUAL MAX:		.414			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43559) Methyl Butyl Ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 591-78-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.000 ND	.000 ND		
3								AF				
4		.000 ND				.000 ND	.000 ND					
5	AF			.000 ND	.215 SQ							
6			.000 ND									
7											AS	.000 ND
8									.000 ND	.000 ND		
9								.000 ND				
10		.000 ND				.000 ND	.207 SQ					
11	.000 ND			.259 SQ	.219 SQ							
12			.000 ND									
13											AS	.000 ND
14									AF	.000 ND		
15								.000 ND				
16		.000 DI				AS	.386 SQ					
17	AF			.000 ND	.196 SQ							
18			.000 ND									
19											.000 ND	AS
20									.000 ND	.000 ND		
21								.000 ND				
22		AF				.615 SQ	1.106 5					
23	AF			.000 ND	.000 ND							
24			.000 DI									
25											.000 ND	.000 ND
26									.000 ND	.000 ND		
27								.000 ND				
28		.000 ND				.000 ND	.674 SQ					
29	.000 ND			.000 ND	.250 SQ							
30			AF									
31												.000 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.000	0.000	0.000	.259	.250	.615	1.106	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	.0518	.1760	.1538	.4746	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		.0860	ANNUAL MAX:		1.106				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43559) Methyl Butyl Ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 591-78-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5		.000 ND				AS	.000 ND					
6	.000 ND			.840 QX	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	AS		
10								.000 ND				
11		AS				.000 ND	.000 ND					
12	.000 ND			.000 ND	AS							
13			.000 ND								.000 ND	.000 ND
14									.000 ND	.000 ND		
15								AS				
16												
17		.000 ND				.000 ND	.000 ND					
18	AF			.000 ND	.000 ND							
19			.000 ND								.000 ND	.000 ND
20												
21									.000 ND	.000 ND		
22								.000 ND				
23		.000 ND				AF	.000 ND					
24	.000 ND			.000 ND	.000 ND							
25			.000 ND									
26											.000 ND	.000 ND
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	.000 ND					
30	.000 ND			.000 ND	.000 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.000	0.000	0.000	.840	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	.1680	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0162		ANNUAL MAX:	.840				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43560) Methyl isobutyl ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-10-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.19 SQ	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.30 CC	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND								AF	.00 ND
12												
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.35 SQ
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.38 CC		
26								.19 SQ				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.38 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	.19	0.00	.19	0.00	.38	.30	.35
MEAN:	0.000	0.000	0.000	0.000	0.000	.038	0.000	.038	0.000	.127	.100	.070
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.037		ANNUAL MAX:	.38					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43560) Methyl isobutyl ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-10-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.24 SQ				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.26 SQ	.16 SQ					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.21 SQ	1.61 5							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.31 SQ		
21								.00 ND				
22		AF				.27 SQ	.35 SQ					
23	AF			.00 ND	.17 SQ							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.25 SQ							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	.24	0.00	.21	1.61	.27	.35	0.00	0.00	.31	0.00	0.00
MEAN:	0.000	.060	0.000	.042	.406	.133	.102	0.000	0.000	.062	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.080	ANNUAL MAX:	1.61					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43560) Methyl isobutyl ketone

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-10-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.29 QX	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.006	ANNUAL MAX:	.29					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43801) Chloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 74-87-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.74	.32	5	
2								.60				
3		.59				.81	AF					
4	AS			.68	.68							
5			AS									
6											.66	CC .69
7								.56	CC	.59	.29	5
8		.66				.77	.74					
9	.78			AF	AF							
10			.67							.59	.77	
11											AF	.59
12												
13								.38	5			
14		.70				.68	AF					
15	.59			.64	AF							
16			.63							.59	.61	
17								.62		.61		.62
18												
19		.69				.64	.73					
20	.58		.70	AF	.77							
21												
22										.28	5	.60
23		.69				.71	.66	.63				
24	.61			AS	AF							
25			.66									
26											.57	.70
27										.76		
28												
29												
30												
31												
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.78	.70	.70	.68	.77	.81	.74	.63	.74	.77	.66	.72
MEAN:	.640	.666	.665	.660	.725	.722	.710	.558	.558	.558	.613	.664
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.636	ANNUAL MAX:	.81					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43801) Chloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 74-87-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.62	.56		
3								AF				
4		.61				.70	.67					
5	AF			.61 QX	.84							
6			.59									
7											AS	.70 CC
8									.45	.59		
9								.34 5				
10		.62				.86 5	.85 5					
11	.65			.57	.66							
12			.66									
13											AS	.72
14									AF	.62		
15								.49				
16		.48 DI				AS	.88 5					
17	AF			.40 5	.71							
18			.53									
19											.59	AS
20									.53	.51		
21								.62				
22		AF				.67	.93 5					
23	AF			.79	.60							
24			.53 DI									
25											.64	.60
26									.57	.50		
27								.49				
28		.50				.60	.79					
29	.60			.87 5	.67							
30			AF									
31												.48
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.65	.62	.66	.87	.84	.86	.93	.62	.62	.62	.64	.72
MEAN:	.625	.553	.578	.648	.696	.708	.824	.485	.543	.556	.615	.625
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.626	ANNUAL MAX:	.93					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43801) Chloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 74-87-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.68									
2											.61	.75
3									.59	.47		
4								.64				
5		.64				AS	.63					
6	.68			1.40	.57							
7			.63									
8											.54	.68
9									.59	AS		
10								.56				
11		AS				.68	.58					
12	.65			.75	AS							
13			.59								.56	.74
14									.48	.53		
15								AS				
16												
17		.76 QX				.66	.63					
18	AF			.60	.69							
19			.56								.65	.65
20												
21									.50	.54		
22								.62				
23		.67				AF	.64					
24	.65			.59	.64							
25			.48									
26									.50	.66	.59	.80
27								.58				
28												
29						.62	.72					
30	.68			.55	.68							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.68	.76	.68	1.40	.69	.68	.72	.64	.59	.66	.65	.80
MEAN:	.665	.690	.588	.778	.645	.653	.640	.600	.532	.550	.590	.724
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.637		ANNUAL MAX:	1.40				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43802) Dichloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-09-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
1									.35	.36			
2								.39					
3		.09 SQ				.14 CC	AF						
4	AS			.11 SQ	.11 SQ								
5			AS										
6											.28	.27	
7								.07 SQ	.41	.35			
8		.17				.66 5	.39						
9	.13			AF	AF								
10			.09 CC										
11									.38	.47 CC	AF	1.00 5	
12		.15				.38	AF	.26 CL					
13	.14			.14	AF								
14			.11 SQ										
15									.35	.33 CC		.21	
16		.14						.44 CC				.27	
17						.27	.34						
18	.08 SQ		.11 SQ	AF	.08 SQ								
19									.26 CC	.29	AS	.45	
20		.13				.34	.41	.32					
21	.10 SQ			AS	AF								
22			.13								.19	.56 5	
23										.38			
24													
25	NO.:	4	5	4	2	2	5	3	5	5	6	3	5
26	MAX:	.14	.17	.13	.14	.11	.66	.41	.44	.41	.47	.28	1.00
27	MEAN:	.113	.136	.110	.125	.095	.358	.380	.296	.350	.363	.227	.510
28	ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.277	ANNUAL MAX:	1.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43802) Dichloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-09-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQA0: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.31	.33		
3								AF				
4		.81 5				.33 CC	.21					
5	AF			.24 QX	.35							
6			.21									
7											AS	.32
8									.22 CC	.21 CC		
9								.24 CC				
10		.10 CC				.56 5	.42					
11	.72 5			.27	.31							
12			.29									
13											AS	.22 CC
14									AF	.20 CC		
15								.29 CC				
16		.50 DI				AS	.42					
17	AF			.22	.38							
18			.21									
19										.19 CC	AS	
20									.28	.32		
21								.38				
22		AF				.33	.40					
23	AF			.28	.25							
24			.18 DI									
25											.12 CC	.18
26									.31 CC	.20 CC		
27								.26				
28		.24				.00 ND	.30					
29	.09 CC			.19	.37							
30			AF									
31												.21
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.72	.81	.29	.28	.38	.56	.42	.38	.31	.33	.19	.32
MEAN:	.405	.413	.223	.240	.332	.305	.350	.293	.280	.252	.155	.233
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.291	ANNUAL MAX:	.81					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43802) Dichloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-09-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.20 CC									
2											.25	.22
3									.16 CC	.13 CC		
4								.28				
5		.33				AS	.28					
6	.26			.41 QX	.27							
7			.22									
8											.18	.22
9									.18 CC	AS		
10								.23				
11		AS				.28 CC	.25 CC					
12	.24			.23 CC	AS							
13			.17								.22	.21
14									.22 CC	.20 CC		
15								AS				
16												
17		.27 QX				.22	.22 CC					
18	AF			.15 CC	.26 CC							
19			.18 CC								.18	.17
20												
21									.19 CC	.26		
22								.24				
23		.18 CC				AF	.29					
24	.27 CC			.15 CC	.25 CC							
25			.15 CC									
26											.19	.19
27									.07 CC	.18 CC		
28								.09 CC				
29						.22	.29					
30	.30			.17	.22							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.30	.33	.22	.41	.27	.28	.29	.28	.22	.26	.25	.22
MEAN:	.268	.260	.184	.222	.250	.240	.266	.210	.164	.193	.204	.202
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.219	ANNUAL MAX:	.41					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43803) Chloroform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 67-66-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.05 CC	.04 SQ
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.04 CC	.00 ND
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.05 CC		
26								.11 5				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.04 CC	.00 ND
31										.06 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.11	0.00	.06	.05	.04
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.022	0.000	.018	.043	.008
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.008	ANNUAL MAX:	.11					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43803) Chloroform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 67-66-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.05 SQ		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.04 SQ	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.04	.05	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.010	.010	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.002	ANNUAL MAX:	.05					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43803) Chloroform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 67-66-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.06 CC	.00 ND
3									.04 SQ	.00 ND		
4								.05 SQ				
5		.00 ND				AS	.05 SQ					
6	.00 ND			.05 QX	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.04 SQ				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.05 SQ	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.05 SQ	.05 CC		
22								.05 SQ				
23		.00 ND				AF	.04 SQ					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.04 SQ				
29						.00 ND	.04 SQ					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	.05	0.00	0.00	.05	.05	.05	.05	.06	0.00
MEAN:	0.000	0.000	0.000	.010	0.000	0.000	.026	.045	.028	.013	.012	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.012	ANNUAL MAX:	.06					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43804) Carbon tetrachloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 56-23-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQA0: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.09 SQ	.09 SQ		
2								.10 SQ				
3		.09 SQ				.10 SQ	AF					
4	AS			.10 SQ	.09 SQ							
5			AS									
6											.11 SQ	.10 SQ
7								.09 SQ	.09 SQ	.10 SQ		
8								.09 SQ				
9		.10 SQ				.09 SQ	.10 SQ					
10	.12 SQ			AF	AF							
11			.11 SQ									
12											AF	.10 SQ
13									.09 SQ	.13 5		
14								.09 CL				
15		.11 SQ				.09 SQ	AF					
16	.09 SQ			.09 SQ	AF							
17			.11 SQ									
18											.11 SQ	.10 SQ
19									.10 SQ	.11 SQ		
20								.09 SQ				
21		.10 SQ				.10 SQ	.09 SQ					
22	.09 SQ			AF	.10 SQ							
23			.10 SQ									
24											AS	.11 SQ
25									.09 SQ	.11 SQ		
26								.10 SQ				
27		.10 SQ				.09 SQ	.10 SQ					
28	.09 SQ			AS	AF							
29			.10 SQ									
30											.11 SQ	.11 SQ
31										.11 SQ		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.12	.11	.11	.10	.10	.10	.10	.10	.10	.13	.11	.11
MEAN:	.098	.100	.105	.095	.095	.094	.097	.094	.092	.108	.110	.104
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.100	ANNUAL MAX:	.13					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43804) Carbon tetrachloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 56-23-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.09 SQ	.09 SQ		
3								AF				
4		.08 SQ				.11 SQ	.10 SQ					
5	AF			.10 QX	.12 SQ							
6			.11 SQ									
7											AS	.10 SQ
8									.08 SQ	.10 SQ		
9								.06 5				
10		.09 SQ				.11 SQ	.10 SQ					
11	.09 SQ			.10 SQ	.10 SQ							
12			.11 SQ									
13											AS	.09 SQ
14									AF	.09 SQ		
15								.09 SQ				
16		.10 DI				AS	.11 SQ					
17	AF			.10 SQ	.11 SQ							
18			.10 SQ									
19										.09 SQ	AS	
20									.09 SQ	.09 SQ		
21								.10 SQ				
22		AF				.09 SQ	.11 SQ					
23	AF			.11 SQ	.09 SQ							
24			.08 DI									
25										.10 SQ	.10 SQ	
26									.10 SQ	.09 SQ		
27								.07 SQ				
28		.09 SQ				.09 SQ	.10 SQ					
29	.09 SQ			.12 SQ	.10 SQ							
30			AF									
31												.09 SQ
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.09	.10	.11	.12	.12	.11	.11	.10	.10	.10	.10	.10
MEAN:	.090	.090	.100	.106	.104	.100	.104	.080	.090	.092	.095	.095
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.096	ANNUAL MAX:	.12					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43804) Carbon tetrachloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 56-23-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.10 SQ									
2											.10 CC	.10 SQ
3									.09 SQ	.09 SQ		
4								.10 SQ				
5		.10 SQ				AS	.09 SQ					
6	.09 SQ			.19 5	.09 SQ							
7			.08 SQ									
8											.08 SQ	.11 SQ
9									.10 SQ	AS		
10								.09 SQ				
11		AS				.09 SQ	.08 SQ					
12	.09 SQ			.09 SQ	AS							
13			.09 SQ								.09 SQ	.10 SQ
14									.09 SQ	.10 SQ		
15								AS				
16												
17		.11 QX				.09 SQ	.09 SQ					
18	AF			.08 SQ	.09 SQ							
19			.09 SQ								.10 SQ	.08 SQ
20												
21									.10 SQ	.10 CC		
22								.10 SQ				
23		.10 SQ				AF	.10 SQ					
24	.10 SQ			.08 SQ	.08 SQ							
25			.08 SQ									
26											.09 SQ	.10 SQ
27								.09 SQ	.10 CC			
28								.10 SQ				
29						.09 SQ	.10 SQ					
30	.10 SQ			.08 SQ	.08 SQ							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.10	.11	.10	.19	.09	.09	.10	.10	.10	.10	.10	.11
MEAN:	.095	.103	.088	.104	.085	.090	.092	.098	.094	.098	.092	.098
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.095	ANNUAL MAX:	.19					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43806) Bromoform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-25-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43806) Bromoform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-25-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43806) Bromoform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-25-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43811) Trichlorofluoromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-69-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.83	2.82		
2								1.29				
3		.26				.31	AF					
4	AS			.29	.29							
5			AS									
6											2.32	2.07
7								.25		.29	2.11	
8		.29				2.41	1.03					
9	.33			AF	AF							
10			.28									
11											AF	1.32
12									3.60	2.29		
13								1.50	CL			
14		.28				3.08	AF					
15	.26			.26	AF							
16			.29									
17											1.48	1.21
18									3.21	2.68		
19								1.78				
20		.29				2.29	1.49					
21	.23			AF	.27							
22			.29									
23											AS	1.66 5
24									3.03	1.96		
25								1.85				
26		.30				1.55	1.96					
27	.26			AS	AF							
28			.27									
29											2.22	1.77
30												
31										1.98		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.33	.30	.29	.29	.29	3.08	1.96	1.85	3.60	2.82	2.32	2.07
MEAN:	.270	.284	.283	.275	.280	1.928	1.493	1.334	2.192	2.307	2.007	1.606
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	1.314	ANNUAL MAX:	3.60					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43811) Trichlorofluoromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-69-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.99	3.08		
3								AF				
4		1.09				3.73	3.86					
5	AF			1.53 QX	1.95							
6			1.36									
7											AS	.98
8									2.55	1.67		
9								.19				
10		.23				3.20	1.72					
11	1.33			2.08	.00 ND							
12			2.17									
13											AS	.98
14									AF	.56		
15								3.45				
16		1.02 DI				AS	4.12 5					
17	AF			2.17	.00 ND							
18			1.22									
19											.97	AS
20									2.05	1.87		
21								1.20				
22		AF				3.82	3.10					
23	AF			1.41	2.35							
24			1.09 DI									
25											1.92	1.16
26									2.44	1.39		
27								1.74				
28		1.34				3.41	2.74					
29	.27			2.08	3.10							
30			AF									
31												.97
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	1.33	1.34	2.17	2.17	3.10	3.82	4.12	3.45	2.55	3.08	1.92	1.16
MEAN:	.800	.920	1.460	1.854	1.480	3.540	3.108	1.645	2.008	1.714	1.445	1.023
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	1.826	ANNUAL MAX:	4.12					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43811) Trichlorofluoromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-69-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			1.30									
2											1.30	.70
3									.55	.71		
4								2.70				
5		.86				AS	2.34					
6	1.06			3.20 QX	2.80							
7			1.10								.93	.92
8												
9									.42	AS		
10								1.40				
11		AS				1.40	2.10					
12	1.43			2.00	AS							
13			1.39								.64	.68
14									.98	1.10		
15								AS				
16												
17		1.49 QX				1.80	1.10					
18	AF			1.60	2.10							
19			1.47								.79	.57
20												
21									1.70	1.30		
22								3.40				
23		1.22				AF	4.00					
24	1.31			1.20	2.70							
25			1.20									
26											.77	.80
27									.39	.55		
28								.66				
29						2.28	1.00					
30	.95			1.60	1.70							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	1.43	1.49	1.47	3.20	2.80	2.28	4.00	3.40	1.70	1.30	1.30	.92
MEAN:	1.188	1.190	1.292	1.920	2.325	1.827	2.108	2.040	.808	.915	.886	.734
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	1.417	ANNUAL MAX:	4.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43812) Chloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-00-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.16 SQ
7									.31	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.31	0.00	0.00	.16
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.062	0.000	0.000	.032
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.010		ANNUAL MAX:	.31					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43812) Chloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-00-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43812) Chloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-00-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43813) 1,1-Dichloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-34-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43813) 1,1-Dichloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-34-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43813) 1,1-Dichloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-34-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	.00 ND
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43814) Methyl chloroform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 71-55-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQA0: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.22 SQ	.15 SQ
7								.00 ND	.13 SQ			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.08 SQ
13								.18 SQ	.00 ND			
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.07 SQ	.10 SQ
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	17.51 5
25								.14 SQ	.13 CC			
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.08 SQ	.37
31										.08 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.18	.13	.22	17.51
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.064	.057	.123	3.642
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.393	ANNUAL MAX:		17.51				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43814) Methyl chloroform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 71-55-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.08 SQ		
3								AF				
4		.00 ND				.00 ND	.13 SQ					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.08 SQ	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.13 SQ				
16		.00 DI				AS	.16 SQ					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.10 SQ	.00 ND
26									.11 SQ	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	.16	.13	.11	.08	.10	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	.058	.033	.048	.016	.050	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.016	ANNUAL MAX:	.16					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43814) Methyl chloroform

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 71-55-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.19 CC	.00 ND
3									.00 ND	.00 ND		
4								.08 SQ				
5		.00 ND				AS	.10 SQ					
6	.00 ND			.00 ND	.09 SQ							
7			.00 ND									
8											.00 ND	.11 SQ
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.09 SQ			.00 ND	AS							
13			.08 SQ									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.12 QX				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.08 CC		
22								.10 SQ				
23		.00 ND				AF	.14 SQ					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.09	.12	.08	0.00	.09	0.00	.14	.10	0.00	.08	.19	.11
MEAN:	.023	.040	.016	0.000	.023	0.000	.048	.045	0.000	.020	.038	.022
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.023	ANNUAL MAX:	.19					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43815) Ethylene dichloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 107-06-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.08 CC	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.08 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.08	.08	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.013	.027	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.003		ANNUAL MAX:		.08			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43815) Ethylene dichloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 107-06-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7										AS		.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13										AS		.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19										.00 ND	AS	
20									.00 ND	.22 SQ		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25										.00 ND	.00 ND	
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.22	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.044	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.005	ANNUAL MAX:	.22					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43815) Ethylene dichloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 107-06-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.09 QX	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.002	ANNUAL MAX:	.09					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43817) Tetrachloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 127-18-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									2.75 5	.15 CC		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.06 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.75	.15	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.550	.035	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.060		ANNUAL MAX:	2.75					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43817) Tetrachloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 127-18-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7										AS		.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.08 SQ	.05 SQ					
11	.00 ND			.29	.00 ND							
12			.00 ND									
13										AS		.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.16 SQ									
19										.00 ND	AS	
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.11 SQ	.00 ND							
24			.09 DI									
25										.00 ND	.00 ND	
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.19 SQ	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	.16	.29	0.00	.08	.05	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	.063	.118	0.000	.020	.010	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.020	ANNUAL MAX:	.29					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43817) Tetrachloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 127-18-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.09 CC	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.06 QX	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.12 CC		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.05 SQ									
26											.00 ND	.00 ND
27									.00 ND	.09 CC		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	.05	.06	0.00	0.00	0.00	0.00	0.00	.12	.09	0.00
MEAN:	0.000	0.000	.010	.012	0.000	0.000	0.000	0.000	0.000	.053	.018	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.008	ANNUAL MAX:	.12					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43818) 1,1,2,2-Tetrachloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-34-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43818) 1,1,2,2-Tetrachloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-34-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43818) 1,1,2,2-Tetrachloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-34-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43819) Bromomethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 74-83-9
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.09 SQ									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.002		ANNUAL MAX:	.09					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43819) Bromomethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 74-83-9
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.09 SQ	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.002	ANNUAL MAX:	.09					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43819) Bromomethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 74-83-9
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.21 QX	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.29			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.29	0.00	0.00	.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	.073	0.000	0.000	.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.010		ANNUAL MAX:	.29				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43820) 1,1,2-Trichloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-00-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43820) 1,1,2-Trichloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-00-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43820) 1,1,2-Trichloroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-00-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43821) 1,1,2-Trichloro-1,2,2-trifluoroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 76-13-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQA0: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.17 SQ	.15 SQ		
2								.21 SQ				
3		.18 SQ				.21 SQ	AF					
4	AS			.19 SQ	.18 SQ							
5			AS									
6											.21 SQ	.20 SQ
7								.18 SQ	.16 SQ			
8								.14 SQ				
9		.20 SQ				.19 SQ	.18 SQ					
10	.23 5			AF	AF							
11			.20 SQ									
12										AF		.20 SQ
13								.18 SQ	.23 5			
14								.18 CL				
15		.19 SQ				.18 SQ	AF					
16	.17 SQ			.17 SQ	AF							
17			.21 SQ									
18											.19 SQ	.17 SQ
19									.00 ND	.18 SQ		
20								.16 SQ				
21		.20 SQ				.19 SQ	.16 SQ					
22	.17 SQ			AF	.18 SQ							
23			.19 SQ									
24											AS	.00 ND
25								.16 SQ	.20 SQ			
26								.17 SQ				
27		.20 SQ				.17 SQ	.19 SQ					
28	.17 SQ			AS	AF							
29			.20 SQ									
30											.19 SQ	.20 SQ
31										.22 SQ		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.23	.20	.21	.19	.18	.21	.19	.21	.18	.23	.21	.20
MEAN:	.185	.194	.200	.180	.180	.188	.177	.172	.138	.190	.197	.154
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.179	ANNUAL MAX:	.23					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43821) 1,1,2-Trichloro-1,2,2-trifluoroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 76-13-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQA0: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.16 SQ	.17 SQ		
3								AF				
4		.16 SQ				.18 SQ	.16 SQ					
5	AF			.17 QX	.19 SQ							
6			.19 SQ									
7											AS	.16 SQ
8									.14 SQ	.17 SQ		
9								.00 ND				
10		.17 SQ				.20 SQ	.18 SQ					
11	.16 SQ			.20 SQ	.17 SQ							
12			.17 SQ									
13											AS	.16 SQ
14									AF	.17 SQ		
15								.17 SQ				
16		.18 DI				AS	.22 SQ					
17	AF			.17 SQ	.19 SQ							
18			.18 SQ									
19										.14 SQ	AS	
20									.17 SQ	.15 SQ		
21								.18 SQ				
22		AF				.16 SQ	.21 SQ					
23	AF			.20 SQ	.15 SQ							
24			.15 DI									
25										.17 SQ	.16 SQ	
26									.18 SQ	.16 SQ		
27								.13 SQ				
28		.00 ND				.00 ND	.18 SQ					
29	.16 SQ			.19 SQ	.17 SQ							
30			AF									
31												.15 SQ
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.16	.18	.19	.20	.19	.20	.22	.18	.18	.17	.17	.16
MEAN:	.160	.128	.173	.186	.174	.135	.190	.120	.163	.164	.155	.158
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.160	ANNUAL MAX:	.22					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43821) 1,1,2-Trichloro-1,2,2-trifluoroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 76-13-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.17 SQ									
2											.18 CC	.16 SQ
3									.15 SQ	.15 SQ		
4								.17 SQ				
5		.17 SQ				AS	.17 SQ					
6	.17 SQ			.34 5	.16 SQ							
7			.15 SQ									
8											.15 SQ	.20 SQ
9									.15 SQ	AS		
10								.16 SQ				
11		AS				.14 SQ	.14 SQ					
12	.17 SQ			.19 SQ	AS							
13			.18 SQ								.16 SQ	.20 SQ
14									.15 SQ	.15 SQ		
15								AS				
16												
17		.20 QX				.16 SQ	.16 SQ					
18	AF			.14 SQ	.16 SQ							
19			.13 SQ								.16 SQ	.15 SQ
20												
21									.17 SQ	.17 CC		
22								.17 SQ				
23		.18 SQ				AF	.16 SQ					
24	.17 SQ			.16 SQ	.15 SQ							
25			.12 5									
26									.15 SQ	.18 CC	.16 SQ	.19 SQ
27								.18 SQ				
28												
29						.16 SQ	.17 SQ					
30	.18 SQ			.16 SQ	.16 SQ							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.18	.20	.18	.34	.16	.16	.17	.18	.17	.18	.18	.20
MEAN:	.173	.183	.150	.198	.158	.153	.160	.170	.154	.163	.162	.180
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.167	ANNUAL MAX:	.34					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43823) Dichlorodifluoromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-71-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.60	.17 5		
2								.60				
3		.57				.62	AF					
4	AS			.59	.58							
5			AS									
6											.67	.61
7								.52	.63	.21 5		
8												
9		.62				.58	.61					
10	.72			AF	AF							
11			.60									
12											AF	.60
13									.59	.67		
14								.50 CL				
15		.60				.57	AF					
16	.57			.54	AF							
17			.63									
18											.65	.59
19									.66	.65		
20								.60				
21		.61				.59	.59					
22	.53			AF	.56							
23			.63									
24											AS	.72
25									.14 5	.63		
26								.59				
27		.62				.55	.59					
28	.55			AS	AF							
29			.59									
30											.65	.71
31										.67		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.72	.62	.63	.59	.58	.62	.61	.60	.66	.67	.67	.72
MEAN:	.593	.604	.613	.565	.570	.582	.597	.562	.524	.500	.657	.646
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.580	ANNUAL MAX:	.72					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43823) Dichlorodifluoromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-71-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.54	.56		
3								AF				
4		.54				.66	.59					
5	AF			.42 QX	.66							
6			.58									
7											AS	.58
8									.51	.59		
9								.39 5				
10		.57				.76 5	.69					
11	.60			.49	.52							
12			.59									
13											AS	.57
14									AF	.59		
15								.54				
16		.48 DI				AS	.70					
17	AF			.41	.59							
18			.51									
19											.52	AS
20									.56	.56		
21								.61				
22		AF				.51	.73					
23	AF			.69	.55							
24			.53 DI									
25											.61	.59
26									.61	.55		
27								.46				
28		.48				.44	.70					
29	.58			.71	.62							
30			AF									
31												.54
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.60	.57	.59	.71	.66	.76	.73	.61	.61	.59	.61	.59
MEAN:	.590	.518	.553	.544	.588	.593	.682	.500	.555	.570	.565	.570
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.570	ANNUAL MAX:	.76					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43823) Dichlorodifluoromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-71-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.60									
2											.60	.91 5
3									.55	.54		
4								.64				
5		.65				AS	.54					
6	.59			1.10 5	.52							
7			.41 5								.51	.54
8												
9									.53	AS		
10								.57				
11		AS				.64	.00 ND					
12	.60			.60	AS							
13			.48								.51	.44
14									.48	.54		
15								AS				
16												
17		.72 QX				.59	.59					
18	AF			.53	.62							
19			.51								.60	.48
20												
21									.53	.60		
22								.64				
23		.62				AF	.61					
24	.61			.56	.58							
25			.44									
26											.58	.47
27									.53	.59		
28								.62				
29						.56	.65					
30	.60			.49	.60							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.61	.72	.60	1.10	.62	.64	.65	.64	.55	.60	.60	.91
MEAN:	.600	.663	.488	.656	.580	.597	.478	.618	.524	.568	.560	.568
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.569	ANNUAL MAX:	1.10					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43824) Trichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-01-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.17 SQ	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.17	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.034	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.003		ANNUAL MAX:	.17					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43824) Trichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-01-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.13 SQ				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.13	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.033	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.003	ANNUAL MAX:	.13					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43824) Trichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 79-01-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.05 CC		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.05	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.013	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.001	ANNUAL MAX:	.05					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43826) 1,1-Dichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-35-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43826) 1,1-Dichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-35-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43826) 1,1-Dichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-35-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43828) Bromodichloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-27-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13								.00 ND	.00 ND			
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25								.00 ND	.00 ND			
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43828) Bromodichloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-27-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7										AS		.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13										AS		.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19										.00 ND	AS	
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25										.00 ND	.00 ND	
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43828) Bromodichloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-27-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43829) 1,2-Dichloropropane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 78-87-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43829) 1,2-Dichloropropane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 78-87-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43829) 1,2-Dichloropropane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 78-87-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43830) trans-1,3-Dichloropropene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10061-02-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43830) trans-1,3-Dichloropropene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10061-02-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43830) trans-1,3-Dichloropropene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10061-02-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	.00 ND
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43831) cis-1,3-Dichloropropene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10061-01-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43831) cis-1,3-Dichloropropene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10061-01-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43831) cis-1,3-Dichloropropene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10061-01-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	.00 ND
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43832) Dibromochloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 124-48-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43832) Dibromochloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 124-48-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43832) Dibromochloromethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 124-48-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43838) trans-1,2-Dichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 156-60-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43838) trans-1,2-Dichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 156-60-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43838) trans-1,2-Dichloroethylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 156-60-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	.00 ND
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43839) cis-1,2-Dichloroethene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 156-59-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13								.26	.00 ND			
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18										.00 ND	.00 ND	
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24										AS		.00 ND
25								.00 ND	.00 ND			
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30										.00 ND	.00 ND	
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.26	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.052	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.005		ANNUAL MAX:		.26			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43839) cis-1,2-Dichloroethene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 156-59-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43839) cis-1,2-Dichloroethene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 156-59-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43843) Ethylene dibromide

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-93-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43843) Ethylene dibromide

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-93-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7										AS		.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13										AS		.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19										.00 ND	AS	
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25										.00 ND	.00 ND	
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43843) Ethylene dibromide

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-93-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43844) Hexachlorobutadiene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 87-68-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43844) Hexachlorobutadiene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 87-68-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.71 SQ									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.015	ANNUAL MAX:	.71					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43844) Hexachlorobutadiene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 87-68-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43852) Dichlorotetrafluoroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 1320-37-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.000 ND	.000 ND		
2								.000 ND				
3		.000 ND				.000 ND	AF					
4	AS			.000 ND	.000 ND							
5			AS									
6											.128 SQ	.000 ND
7								.000 ND	.000 ND			
8								.000 ND				
9		.000 ND				.000 ND	.000 ND					
10	.000 ND			AF	AF							
11			.000 ND									
12											AF	.000 ND
13									.000 ND	.000 ND		
14								.000 CL				
15		.000 ND				.000 ND	AF					
16	.000 ND			.000 ND	AF							
17			.000 ND									
18											.000 ND	.000 ND
19									.000 ND	.000 ND		
20								.000 ND				
21		.000 ND				.000 ND	.000 ND					
22	.000 ND			AF	.000 ND							
23			.000 ND									
24											AS	.000 ND
25									.000 ND	.000 ND		
26								.000 ND				
27		.000 ND				.000 ND	.000 ND					
28	.000 ND			AS	AF							
29			.000 ND									
30											.000 ND	.000 ND
31										.000 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.128	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0427	0.0000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.0026		ANNUAL MAX:	.128					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43852) Dichlorotetrafluoroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 1320-37-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.000 ND	.000 ND		
3								AF				
4		.039 SQ				.000 ND	.000 ND					
5	AF			.000 ND	.000 ND							
6			.000 ND									
7											AS	.000 ND
8									.000 ND	.000 ND		
9								.000 ND				
10		.000 ND				.000 ND	.000 ND					
11	.000 ND			.038 SQ	.000 ND							
12			.000 ND									
13											AS	.000 ND
14									AF	.000 ND		
15								.000 ND				
16		.000 DI				AS	.000 ND					
17	AF			.000 ND	.000 ND							
18			.000 ND									
19											.000 ND	AS
20									.000 ND	.000 ND		
21								.000 ND				
22		AF				.000 ND	.000 ND					
23	AF			.000 ND	.000 ND							
24			.000 DI									
25											.000 ND	.000 ND
26									.000 ND	.000 ND		
27								.000 ND				
28		.000 ND				.000 ND	.000 ND					
29	.000 ND			.000 ND	.000 ND							
30			AF									
31												.000 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.000	.039	0.000	.038	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	.0098	0.0000	.0076	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.0016		ANNUAL MAX:	.039				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43852) Dichlorotetrafluoroethane

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 1320-37-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5		.000 ND				AS	.000 ND					
6	.000 ND			.094 QX	.000 ND							
7			.000 ND								.000 ND	.000 ND
8												
9									.000 ND	AS		
10								.000 ND				
11		AS				.000 ND	.000 ND					
12	.000 ND			.000 ND	AS							
13			.000 ND								.000 ND	.000 ND
14									.000 ND	.000 ND		
15								AS				
16												
17		.000 ND				.000 ND	.000 ND					
18	AF			.000 ND	.000 ND							
19			.000 ND								.000 ND	.000 ND
20												
21									.000 ND	.000 ND		
22								.000 ND				
23		.000 ND				AF	.000 ND					
24	.000 ND			.000 ND	.000 ND							
25			.000 ND									
26											.000 ND	.000 ND
27								.000 ND	.000 ND			
28								.000 ND				
29						.000 ND	.000 ND					
30	.000 ND			.000 ND	.000 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.000	0.000	0.000	.094	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	.0188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0018		ANNUAL MAX:	.094				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43860) Vinyl chloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-01-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43860) Vinyl chloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-01-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.16 SQ			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.003	ANNUAL MAX:	.16					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(43860) Vinyl chloride

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 75-01-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45109) m/p Xylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.68 SQ	1.82		
2								.84 SQ				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.69 SQ	.50 SQ
7								.78 SQ	.00 ND			
8								.70 SQ				
9		.00 ND				.71 SQ	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND								AF	.50 SQ
12												
13									.74 SQ	2.66 5		
14								.00 CL				
15		1.07				.70 SQ	AF					
16	.98 SQ			.72 SQ	AF							
17			.00 ND									
18											.33 SQ	.53 SQ
19									1.01	1.56		
20								1.17				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									1.21	.42 SQ		
26								.84 SQ				
27		.00 ND				.00 ND	.78 SQ					
28	.67 SQ			AS	AF							
29			.00 ND									
30											.55 SQ	.37 SQ
31										.96 SQ		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.98	1.07	0.00	.72	0.00	.71	.78	1.17	1.21	2.66	.69	.53
MEAN:	.413	.214	0.000	.360	0.000	.282	.260	.710	.884	1.237	.523	.380
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.500	ANNUAL MAX:	2.66					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45109) m/p Xylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									1.58 SQ	1.58 SQ		
3								AF				
4		.82 SQ				.73 SQ	.76 SQ					
5	AF			.00 ND	.00 ND							
6			.58 SQ									
7											AS	.41 SQ
8									1.13 SQ	.50 SQ		
9								.57 SQ				
10		1.06 SQ				1.35 SQ	1.96 SQ					
11	1.39 SQ			.83 SQ	.50 SQ							
12			1.32 SQ									
13											AS	.41 SQ
14									AF	.53 SQ		
15								1.09 SQ				
16		.00 DI				AS	1.79 SQ					
17	AF			.80 SQ	.61 SQ							
18			.82 SQ									
19											.00 ND	AS
20									1.41 SQ	1.47 SQ		
21								1.12 SQ				
22		AF				1.58 SQ	2.08 5					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.88 SQ	.40 SQ
26									1.02 SQ	.47 SQ		
27								1.38 SQ				
28		.00 ND				1.46 SQ	1.30 SQ					
29	.00 ND			.00 ND	1.69 SQ							
30			AF									
31												.44 SQ
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	1.39	1.06	1.32	.83	1.69	1.58	2.08	1.38	1.58	1.58	.88	.44
MEAN:	.695	.470	.680	.326	.560	1.280	1.578	1.040	1.285	.910	.440	.415
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.830	ANNUAL MAX:	2.08					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45109) m/p Xylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.89 SQ									
2											2.16 5	1.12 SQ
3									.88 SQ	.44 SQ		
4								.79 SQ				
5		.55 SQ				AS	.72 SQ					
6	.75 SQ			.68 QX	1.12 SQ							
7			.38 SQ								.64 SQ	.66 SQ
8									.60 SQ	AS		
9								.79 SQ				
10		AS				1.28 SQ	.58 SQ					
11	1.39 SQ			.00 ND	AS						.00 ND	1.12 SQ
12			.40 SQ						.74 SQ	.63 SQ		
13								AS				
14												
15												
16												
17		1.04 QX				.53 SQ	.50 SQ					
18	AF			.51 SQ	1.36 SQ							
19			.37 SQ								.50 SQ	.00 ND
20												
21									.80 SQ	1.68 CC		
22								.59 SQ				
23		.00 ND				AF	.69 SQ					
24	1.14 SQ			.00 ND	.66 SQ							
25			.80 SQ									
26											1.20 SQ	.45 SQ
27								.80 SQ		4.64 5		
28												
29						.48 SQ	.88 SQ					
30	.51 SQ			1.12 SQ	.42 SQ							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	1.39	1.04	.89	1.12	1.36	1.28	.88	.80	.88	4.64	2.16	1.12
MEAN:	.948	.530	.568	.462	.890	.763	.674	.743	.696	1.848	.900	.670
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.797	ANNUAL MAX:	4.64					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45201) Benzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 71-43-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.444 SQ	1.080		
2								.792				
3		1.710				.804	AF					
4	AS			1.026	.978							
5			AS									
6											.954	1.152
7									.888	.000 ND		
8								.570 SQ				
9		12.000 5				.750	.726					
10	1.584			AF	AF							
11			.768									
12											AF	1.422
13									.462 SQ	1.230		
14								.000 CL				
15		2.880 5				.702 SQ	AF					
16	2.064			1.218	AF							
17			1.308								.636 SQ	1.494
18									.876	1.218		
19									.726			
20												
21		1.200				.978	.618 SQ					
22	1.212			AF	1.218							
23			.966									
24											AS	.966
25									.780	.936		
26								.648 SQ				
27		1.344				.558 SQ	.858					
28	2.538 5			AS	AF							
29			1.044									
30											1.284	1.277
31										1.614		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	2.538	12.000	1.308	1.218	1.218	.978	.858	.792	.888	1.614	1.284	1.494
MEAN:	1.8495	3.8268	1.0215	1.1220	1.0980	.7584	.7340	.5472	.6900	1.0130	.9580	1.2622
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	1.2755	ANNUAL MAX:	12.000					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45201) Benzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 71-43-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.529 SQ	.736		
3								AF				
4		5.083 5				.442 SQ	.248 SQ					
5	AF			.593 QX	.487 SQ							
6			1.466									
7											AS	.912
8									.645 SQ	.424 SQ		
9								.709 SQ				
10		2.105				1.323	.733					
11	2.192			.866	.508 SQ							
12			2.209									
13											AS	.927
14									AF	.284 SQ		
15								.670 CC				
16		1.280 DI				AS	.639 SQ					
17	AF			1.183	.550 SQ							
18			1.248									
19											.695 SQ	AS
20									1.195	1.003		
21								.557 SQ				
22		AF				.793	1.010					
23	AF			.620 SQ	.368 SQ							
24			.875 DI									
25											.986	.904
26									.677 SQ	.658 SQ		
27								.697 SQ				
28		1.200				.679 SQ	.484 SQ					
29	1.753			.945	.634 SQ							
30			AF									
31												1.381
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	2.192	5.083	2.209	1.183	.634	1.323	1.010	.709	1.195	1.003	.986	1.381
MEAN:	1.9725	2.4170	1.4495	.8414	.5094	.8093	.6228	.6583	.7615	.6210	.8405	1.0310
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.9814	ANNUAL MAX:	5.083					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45201) Benzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 71-43-2
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			1.492									
2											1.500 CC	1.440
3									1.080	.492 SQ		
4								.462 SQ				
5		1.429				AS	.996					
6	1.408			2.460 5	.780							
7			1.232									
8											.960 CC	1.740
9									.528 SQ	AS		
10								.402 SQ				
11		AS				13.800 5	.660 SQ					
12	2.091			.780 SQ	AS							
13			1.342								.594 CC	2.340 5
14									.600 SQ	.660 SQ		
15								AS				
16												
17		2.102 QX				.588 SQ	.600 SQ					
18	AF			.582 SQ	1.320							
19			1.081								.960	1.020
20												
21									.600 SQ	1.320 CC		
22								.516 SQ				
23		1.145				AF	.594 SQ					
24	1.946			.516 SQ	.720							
25			1.320									
26											1.740	.780
27								.492 SQ	1.200 CC			
28								.780				
29						.493 SQ	.780					
30	1.251			.600 SQ	.246 SQ							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	2.091	2.102	1.492	2.460	1.320	13.800	.996	.780	1.080	1.320	1.740	2.340
MEAN:	1.6740	1.5587	1.2934	.9876	.7665	4.9603	.7260	.5400	.6600	.9180	1.1508	1.4640
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	1.2800	ANNUAL MAX:	13.800					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45202) Toluene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-88-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									1.67	5.24		
2								2.65				
3		2.70				1.74	AF					
4	AS			1.40	1.81							
5			AS									
6											2.90	2.90
7									2.47	1.84		
8								1.90 CC				
9		1.07				6.52 5	3.86					
10	3.00			AF	AF							
11			.85									
12											AF	2.40
13									3.00	5.47 5		
14								2.04 CL				
15		3.96				5.17	AF					
16	3.82			1.25	AF							
17			1.18									
18											1.19	2.06
19									3.89	4.82		
20								2.95				
21		1.02				28.01 5	3.72					
22	1.22			AF	2.20							
23			1.04									
24											AS	1.34
25									4.17	2.52		
26								1.86				
27		1.75				3.49	3.40					
28	3.13			AS	AF							
29			1.13									
30											1.95	1.86
31										3.96		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	3.82	3.96	1.18	1.40	2.20	28.01	3.86	2.95	4.17	5.47	2.90	2.90
MEAN:	2.793	2.100	1.050	1.325	2.005	8.986	3.660	2.280	3.040	3.975	2.013	2.112
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	3.173	ANNUAL MAX:	28.01					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45202) Toluene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-88-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									2.60	3.12		
3								AF				
4		3.13				2.01	1.45					
5	AF			.88 QX	1.02							
6			1.86									
7											AS	1.30
8									2.05	1.23		
9								1.05				
10		4.33				5.18	2.98					
11	4.72			2.19	1.50							
12			4.15									
13											AS	1.24
14									AF	.86		
15								2.30				
16		1.11 DI				AS	2.71					
17	AF			1.64	2.18							
18			1.87									
19											.92	AS
20									2.37	2.96		
21								2.82				
22		AF				2.45	3.27					
23	AF			.67 SQ	1.32							
24			.86 DI									
25											2.07	1.21
26								2.82	1.22			
27								2.94				
28		1.28				2.64	1.75					
29	2.63			4.68	2.88							
30			AF									
31												1.69
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	4.72	4.33	4.15	4.68	2.88	5.18	3.27	2.94	2.82	3.12	2.07	1.69
MEAN:	3.675	2.463	2.185	2.012	1.780	3.070	2.432	2.278	2.460	1.878	1.495	1.360
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	2.211	ANNUAL MAX:	5.18					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45202) Toluene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-88-3
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			1.98									
2											3.99	2.94
3									5.04	1.19		
4								2.03				
5		1.25				AS	3.36					
6	1.79			3.78 QX	2.73							
7			1.39								1.47	3.01
8												
9									3.78	AS		
10								1.61				
11		AS				8.40 5	1.96					
12	2.90			1.82	AS							
13			8.12 5								.70 SQ	3.78
14									2.24	1.75		
15								AS				
16												
17		2.54 QX				1.54	1.75					
18	AF			1.26	2.73							
19			1.55								1.33	1.40
20												
21									1.61	3.22		
22												
23		1.04				AF	2.03					
24	2.69			.39 SQ	1.96							
25			2.80									
26											3.01	1.26
27									.98	5.25		
28								1.82				
29						2.14	3.36					
30	1.30			2.59	1.33							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	2.90	2.54	8.12	3.78	2.73	8.40	3.36	2.03	5.04	5.25	3.99	3.78
MEAN:	2.170	1.610	3.168	1.968	2.188	4.027	2.492	1.768	2.730	2.853	2.100	2.478
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	2.452	ANNUAL MAX:	8.40					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45203) Ethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 100-41-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQA0: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.52 SQ		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.24 SQ	.20 SQ
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.33 SQ	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND								AF	.21 SQ
12												
13									.00 ND	.98 5		
14								.00 CL				
15		.39 SQ				.00 ND	AF					
16	.41 SQ			.00 ND	AF							
17			.00 ND									
18											.00 ND	.20 SQ
19									.35 SQ	.57 SQ		
20								.42 SQ				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.34 SQ	.18 SQ		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.36 SQ			AS	AF							
29			.00 ND									
30											.22 SQ	.00 ND
31										.33 SQ		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.41	.39	0.00	0.00	0.00	.33	0.00	.42	.35	.98	.24	.21
MEAN:	.193	.078	0.000	0.000	0.000	.066	0.000	.084	.138	.430	.153	.122
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.128		ANNUAL MAX:		.98			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45203) Ethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 100-41-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.51 SQ	.47 SQ		
3								AF				
4		.38 SQ			.27 SQ	.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.29 SQ									
7										AS	.00 ND	
8								.33 SQ	.00 ND			
9								.00 ND				
10		.42 SQ			.54 SQ	.65 SQ						
11	.42 SQ			.00 ND	.00 ND							
12			.54 SQ									
13										AS	.00 ND	
14								AF	.00 ND			
15								.36 SQ				
16		.00 DI			AS	.50 SQ						
17	AF			.00 ND	.00 ND							
18			.34 SQ									
19										.00 ND	AS	
20								.41 SQ	.42 SQ			
21								.37 SQ				
22		AF			.46 SQ	.54 SQ						
23	AF			.00 ND	.00 ND							
24			.00 DI									
25										.28 SQ	.00 ND	
26								.32 SQ	.00 ND			
27								.45 SQ				
28		.00 ND			.45 SQ	.34 SQ						
29	.00 ND			.00 ND	.56 SQ							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.42	.42	.54	0.00	.56	.54	.65	.45	.51	.47	.28	0.00
MEAN:	.210	.200	.293	0.000	.112	.430	.406	.295	.393	.178	.140	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.221	ANNUAL MAX:	.65					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45203) Ethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 100-41-4
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.32 SQ									
2											.62 CC	.33 SQ
3									.33 SQ	.00 ND		
4								.30 SQ				
5		.00 ND				AS	.32 SQ					
6	.30 SQ			.00 ND	.31 SQ							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.37 SQ	.25 SQ					
12	.46 SQ			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.26 SQ	.00 ND		
15								AS				
16												
17		.47 QX				.00 ND	.00 ND					
18	AF			.00 ND	.37 SQ							
19			.00 ND								.00 ND	.00 ND
20												
21									.27 SQ	.58 CC		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.43 SQ			.00 ND	.00 ND							
25			.29 SQ									
26											.37 SQ	.00 ND
27									.00 ND	1.04 5		
28								.27 SQ				
29						.00 ND	.28 SQ					
30	.00 ND			.30 SQ	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.46	.47	.32	.30	.37	.37	.32	.30	.33	1.04	.62	.33
MEAN:	.298	.157	.122	.060	.170	.123	.170	.143	.172	.405	.198	.066
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.170	ANNUAL MAX:	1.04					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45204) o-Xylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-47-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.66 SQ		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.27 SQ	.22 SQ
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.30 SQ	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.19 SQ
13									.00 ND	1.22 5		
14								.00 CL				
15		.42 SQ				.00 ND	AF					
16	.38 SQ			.00 ND	AF							
17			.00 ND									
18											.00 ND	.17 SQ
19									.38 SQ	.68 SQ		
20								.43 SQ				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.38 SQ	.19 SQ		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.22 SQ	.00 ND
31										.38 SQ		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.38	.42	0.00	0.00	0.00	.30	0.00	.43	.38	1.22	.27	.22
MEAN:	.095	.084	0.000	0.000	0.000	.060	0.000	.086	.152	.522	.163	.116
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.132	ANNUAL MAX:	1.22					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45204) o-Xylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-47-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.57 SQ	.71 SQ		
3								AF				
4		.28 SQ				.00 ND	.33 SQ					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.52 SQ	.20 SQ		
9								.00 ND				
10		.35 SQ				.58 SQ	.68 SQ					
11	.54 SQ			.29 SQ	.00 ND							
12			.52 SQ									
13											AS	.00 ND
14									AF	.21 SQ		
15								.38 SQ				
16		.00 DI				AS	.64 SQ					
17	AF			.28 SQ	2.38 5							
18			.27 SQ									
19											.00 ND	AS
20									.60 SQ	.52 SQ		
21								.40 SQ				
22		AF				.72 SQ	.85 SQ					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.32 SQ	.00 ND
26									.40 SQ	.00 ND		
27								.47 SQ				
28		.00 ND				.57 SQ	.45 SQ					
29	.00 ND			.00 ND	.65 SQ							
30			AF									
31												.22 SQ
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.54	.35	.52	.29	2.38	.72	.85	.47	.60	.71	.32	.22
MEAN:	.270	.158	.198	.114	.606	.468	.590	.313	.523	.328	.160	.055
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.331	ANNUAL MAX:	2.38					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45204) o-Xylene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-47-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.32 SQ									
2											.68 CC	.37 SQ
3									.32 SQ	.00 ND		
4								.30 SQ				
5		.23 SQ				AS	.24 SQ					
6	.31 SQ			.30 QX	.40 SQ							
7			.00 ND								.23 SQ	.65 SQ
8									.22 SQ	AS		
9								.26 SQ				
10		AS				.41 SQ	.20 SQ					
11	.54 SQ			.00 ND	AS						.00 ND	.96 5
12			.21 SQ						.28 SQ	.00 ND		
13								AS				
14												
15												
16												
17		.31 QX				.00 ND	.00 ND					
18	AF			.00 ND	.48 SQ							
19			.21 SQ								.00 ND	.00 ND
20												
21									.29 SQ	.54 CC		
22								.00 ND				
23		.00 ND				AF	.25 SQ					
24	.46 SQ			.00 ND	.24 SQ							
25			.30 SQ									
26											.41 SQ	.00 ND
27								.00 ND		1.44 5		
28								.27 SQ				
29						.00 ND	.31 SQ					
30	.20 SQ			.35 SQ	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.54	.31	.32	.35	.48	.41	.31	.30	.32	1.44	.68	.96
MEAN:	.378	.180	.208	.130	.280	.137	.200	.208	.222	.495	.264	.396
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.259	ANNUAL MAX:	1.44					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45207) 1,3,5-Trimethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-67-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.41 CC		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.41	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.068	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.008		ANNUAL MAX:		.41			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45207) 1,3,5-Trimethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-67-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.34 SQ	.31 SQ		
3								AF				
4		.00 ND				.00 ND	.29 SQ					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7										AS		.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.43 SQ					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13										AS		.00 ND
14									AF	.00 ND		
15								.28 SQ				
16		.00 DI				AS	.38 SQ					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19										.00 ND	AS	
20									.23 SQ	.27 SQ		
21								.32 SQ				
22		AF				.00 ND	.61 SQ					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25										.00 ND	.00 ND	
26									.00 ND	.00 ND		
27								.20 SQ				
28		.00 ND				.40 SQ	.35 SQ					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	.40	.61	.32	.34	.31	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	.100	.412	.200	.143	.116	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.092	ANNUAL MAX:	.61					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45207) 1,3,5-Trimethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-67-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND								.00 ND	.00 ND
26									.00 ND	.72 5		
27								.00 ND				
28												
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.72	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.180	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.014	ANNUAL MAX:	.72					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45208) 1,2,4-Trimethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-63-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.52 SQ		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.37 SQ	.23 SQ
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.25 SQ
13									.00 ND	.75 CC		
14								.00 CL				
15		.31 SQ				.00 ND	AF					
16	.42 SQ			.00 ND	AF							
17			.00 ND									
18											.17 SQ	.14 SQ
19									.00 ND	.43 SQ		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.15 SQ
25									.39 SQ	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.20 SQ	.00 ND
31										.47 SQ		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	.42	.31	0.00	0.00	0.00	0.00	0.00	0.00	.39	.75	.37	.25
MEAN:	.105	.062	0.000	0.000	0.000	0.000	0.000	0.000	.078	.362	.247	.154
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.098		ANNUAL MAX:		.75			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45208) 1,2,4-Trimethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-63-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									1.27	1.14		
3								AF				
4		.21 SQ				.45 SQ	1.15					
5	AF			.18 QX	.00 ND							
6			.26 SQ									
7											AS	.30 SQ
8									.94 SQ	.51 SQ		
9								.29 SQ				
10		.25 SQ				1.50 5	3.24 5					
11	.61 SQ			.28 SQ	.00 ND							
12			1.09									
13									AF	.55 SQ	AS	.00 ND
14								.99 SQ				
15		.00 DI				AS	3.27 5					
16	AF			.39 SQ	.17 SQ							
17			.27 SQ								.00 ND	AS
18									1.09	.77 SQ		
19								1.67 5				
20		AF				.61 SQ	4.33 5					
21	AF			.00 ND	.27 SQ							
22			.00 DI								.48 SQ	.34 SQ
23								.84 SQ	.33 SQ			
24		.20 SQ				2.17 5	2.36 5	.88 SQ				
25	.00 ND			.30 SQ	.57 SQ							
26			AF									.00 ND
27												
28												
29												
30												
31												
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.61	.25	1.09	.39	.57	2.17	4.33	1.67	1.27	1.14	.48	.34
MEAN:	.305	.165	.405	.230	.202	1.183	2.870	.958	1.035	.660	.240	.160
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.761	ANNUAL MAX:	4.33					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45208) 1,2,4-Trimethylbenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-63-6
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.86 CC	.00 ND
3									.46 SQ	.00 ND		
4								.74 SQ				
5		.00 ND				AS	.60 SQ					
6	.40 SQ			.65 QX	.62 SQ							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.77 SQ				
11		AS				.56 SQ	.00 ND					
12	.65 SQ			.00 ND	AS							
13			.68 SQ								.00 ND	.72 SQ
14									.00 ND	.00 ND		
15								AS				
16												
17		.42 QX				.00 ND	.51 SQ					
18	AF			.00 ND	.72 SQ							
19			.43 SQ								.00 ND	.00 ND
20												
21									.43 SQ	.76 CC		
22								.61 SQ				
23		.00 ND				AF	.41 SQ					
24	.56 SQ			.00 ND	.42 SQ							
25			.57 SQ									
26											.46 SQ	.00 ND
27								.00 ND		2.70 5		
28									.00 ND			
29						.00 ND	.68 SQ					
30	.00 ND			.41 SQ	.44 SQ							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	.65	.42	.68	.65	.72	.56	.68	.77	.46	2.70	.86	.72
MEAN:	.403	.140	.336	.212	.550	.187	.440	.530	.178	.865	.264	.144
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.351	ANNUAL MAX:	2.70					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45213) p-Ethyltoluene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 622-96-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.39 CC		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.39	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.065	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.008		ANNUAL MAX:		.39			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45213) p-Ethyltoluene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 622-96-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.42 SQ	.46 SQ		
3								AF				
4		.00 ND				.18 SQ	.39 SQ					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7										AS		.00 ND
8									.29 SQ	.00 ND		
9								.00 ND				
10		.00 ND				.53 SQ	.83 5					
11	.15 SQ			.00 ND	.00 ND							
12			.28 SQ									
13										AS		.00 ND
14									AF	.30 SQ		
15								.41 SQ				
16		.00 DI				AS	.83 5					
17	AF			.15 SQ	.00 ND							
18			.20 SQ									
19										.00 ND	AS	
20									.33 SQ	.48 SQ		
21								.62 SQ				
22		AF				.22 SQ	.98 5					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25										.29 SQ		.00 ND
26									.27 SQ	.00 ND		
27								.38 SQ				
28		.00 ND				.67 SQ	.61 SQ					
29	.00 ND			.00 ND	.22 SQ							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	.15	0.00	.28	.15	.22	.67	.98	.62	.42	.48	.29	0.00
MEAN:	.075	0.000	.120	.030	.044	.400	.728	.353	.328	.248	.145	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.219	ANNUAL MAX:	.98					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45213) p-Ethyltoluene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 622-96-8
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.35 CC	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.33 SQ							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.37 SQ				
11		AS				.32 SQ	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.35 CC		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.44 SQ									
26											.00 ND	.00 ND
27									.00 ND	.75 CC		
28								.00 ND				
29						.00 ND	.41 SQ					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	.44	0.00	.33	.32	.41	.37	0.00	.75	.35	0.00
MEAN:	0.000	0.000	.088	0.000	.083	.107	.082	.093	0.000	.275	.070	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.064	ANNUAL MAX:	.75					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45220) Styrene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 100-42-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.50 SQ		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.25 CC	.13 SQ
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.56 CC		
14								.00 CL				
15		.32 SQ				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.15 SQ	.00 ND
19								.00 ND	.00 ND			
20								.00 ND				
21		.00 ND				.32 SQ	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.44 SQ	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			3.25 5									
30											.00 ND	.00 ND
31										.24 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	.32	3.25	0.00	0.00	.32	0.00	0.00	.44	.56	.25	.13
MEAN:	0.000	.064	.813	0.000	0.000	.064	0.000	0.000	.088	.217	.133	.026
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.126	ANNUAL MAX:	3.25						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45220) Styrene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 100-42-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.53 SQ	.37 SQ		
3								AF				
4		.00 ND				.39 SQ	.54 SQ					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7										AS		.00 ND
8									.26 SQ	.00 ND		
9								.00 ND				
10		.00 ND				.92 SQ	.76 SQ					
11	.00 ND			.00 ND	.00 ND							
12			.48 SQ									
13										AS		.00 ND
14									AF	.00 ND		
15								.33 SQ				
16		.00 DI				AS	.81 SQ					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19										.00 ND	AS	
20									.40 SQ	.00 ND		
21								.45 SQ				
22		AF				.65 SQ	.66 SQ					
23	AF			.00 ND	.29 SQ							
24			.00 DI									
25										.00 ND	.00 ND	
26									.27 SQ	.00 ND		
27								.37 SQ				
28		.00 ND				.79 SQ	.56 SQ					
29	.00 ND			.00 ND	.35 SQ							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	.48	0.00	.35	.92	.81	.45	.53	.37	0.00	0.00
MEAN:	0.000	0.000	.120	0.000	.128	.688	.666	.288	.365	.074	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.212	ANNUAL MAX:	.92					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45220) Styrene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 100-42-5
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14									.00 ND	.00 ND	.00 ND	.00 ND
15												
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.09 SQ	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.002	ANNUAL MAX:	.09					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45801) Chlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-90-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45801) Chlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-90-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45801) Chlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 108-90-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND								.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28												
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45805) 1,2-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-50-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45805) 1,2-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-50-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45805) 1,2-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 95-50-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45806) 1,3-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 541-73-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45806) 1,3-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 541-73-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45806) 1,3-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 541-73-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45807) 1,4-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-46-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.000		ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45807) 1,4-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-46-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.25 SQ	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.20 SQ	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	.25	0.00	0.00	.20	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	.063	0.000	0.000	.050	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.009	ANNUAL MAX:	.25					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45807) 1,4-Dichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 106-46-7
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	.00 ND
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45810) 1,2,4-Trichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 120-82-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.00 ND	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12											AF	.00 ND
13									.37 SQ	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.37	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.074	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.008		ANNUAL MAX:		.37			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45810) 1,2,4-Trichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 120-82-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.21 SQ									
19											.00 ND	AS
20									.00 ND	.00 ND		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.004	ANNUAL MAX:	.21					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(45810) 1,2,4-Trichlorobenzene

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 120-82-1
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	AM
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND								.00 ND	AM
14									.00 ND	.00 ND		
15								AS				
16												
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	AM
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND								.00 ND	AM
26									.00 ND	.00 ND		
27								.00 ND				
28												
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	1
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	48		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(46401) Furan, tetrahydro-

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 109-99-9
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	AF					
4	AS			.00 ND	.00 ND							
5			AS									
6											.14 CC	.00 ND
7								.00 ND	.00 ND			
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			AF	AF							
11			.00 ND									
12										AF		.00 ND
13									.00 ND	.00 ND		
14								.00 CL				
15		.00 ND				.00 ND	AF					
16	.00 ND			.00 ND	AF							
17			.00 ND									
18											.00 ND	.00 ND
19									.00 ND	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			AF	.00 ND							
23			.00 ND									
24											AS	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AS	AF							
29			.00 ND									
30											.00 ND	.00 ND
31										.20 CC		
NO.:	4	5	4	2	2	5	3	5	5	6	3	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.20	.14	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.033	.047	0.000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:		.007		ANNUAL MAX:		.20			

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(46401) Furan, tetrahydro-

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 109-99-9
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											AS	AF
2									.00 ND	.00 ND		
3								AF				
4		.00 ND				.00 ND	.00 ND					
5	AF			.00 ND	.00 ND							
6			.00 ND									
7											AS	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	.00 ND							
12			.00 ND									
13											AS	.00 ND
14									AF	.00 ND		
15								.00 ND				
16		.00 DI				AS	.00 ND					
17	AF			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	AS
20									.00 ND	.11 SQ		
21								.00 ND				
22		AF				.00 ND	.00 ND					
23	AF			.00 ND	.00 ND							
24			.00 DI									
25											.00 ND	.00 ND
26									.00 ND	.00 ND		
27								.00 ND				
28		.00 ND				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	2	4	4	5	5	4	5	4	4	5	2	4
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.11	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.022	0.000	0.000
ANNUAL OBSERVATIONS:		48		ANNUAL MEAN:	.002	ANNUAL MAX:	.11					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 3, 2019

(46401) Furan, tetrahydro-

SITE ID: 42-045-0003 POC: 2
 COUNTY: (045) Delaware
 CITY: (75648) Swarthmore
 SITE ADDRESS: Swarthmore College, Hicks Hall, 500 College Ave., Swarthmore, PA
 SITE COMMENTS: Toxic Site
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (045) METROPOLITAN PHILADELPHIA
 URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 109-99-9
 LATITUDE: 39.8969
 LONGITUDE: -75.3539
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 20
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: SPM
 COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Parts per billion Carbon
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	.00 ND		
4								.00 ND				
5		.00 ND				AS	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											.00 ND	.00 ND
9									.00 ND	AS		
10								.00 ND				
11		AS				.00 ND	.00 ND					
12	.00 ND			.00 ND	AS							
13			.00 ND									
14											.00 ND	.00 ND
15									.00 ND	.00 ND		
16								AS				
17		.00 ND				.00 ND	.00 ND					
18	AF			.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20												
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				AF	.00 ND					
24	.00 ND			.00 ND	.00 ND							
25			.00 ND									
26											.00 ND	.00 ND
27									.00 ND	.00 ND		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			AS									
NO.:	4	3	5	5	4	3	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.000		ANNUAL MAX:		0.00			

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QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
5	Outlier.	QA
AF	Scheduled but not Collected.	NULL
AM	Miscellaneous Void.	NULL
AS	Poor Quality Assurance Results.	NULL
CC	Clean Canister Residue.	QA
CL	Surrogate Recoveries Outside Control Limits.	QA
DI	Sample was diluted for analysis.	QA
EH	Estimated; Exceeds Upper Range.	QA
LL	Analyte Identified; Reported Value May Be Biased Low.	QA
ND	No Value Detected, Zero Reported.	QA
QX	Does not meet QC criteria.	QA
SQ	Values Between SQL and MDL.	QA

Note: Qualifier codes with regional concurrence are shown in upper case,
and those without regional concurrence are shown in lower case.